

Heng Li

List of Publications by Year in descending order

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Version: 2024-02-01

533
papers

23,033
citations

7069

78
h-index

20307

116
g-index

544
all docs

544
docs citations

544
times ranked

11786
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Pixel-Level Crack Detection and Measurement Using Fully Convolutional Network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018, 33, 1090-1109.	6.3	470
2	Application of the analytic hierarchy process (AHP) in multi-criteria analysis of the selection of intelligent building systems. <i>Building and Environment</i> , 2008, 43, 108-125.	3.0	339
3	Detecting non-hardhat-use by a deep learning method from far-field surveillance videos. <i>Automation in Construction</i> , 2018, 85, 1-9.	4.8	328
4	Quantifying the causes and costs of rework in construction. <i>Construction Management and Economics</i> , 2000, 18, 479-490.	1.8	297
5	Intelligent building research: a review. <i>Automation in Construction</i> , 2005, 14, 143-159.	4.8	293
6	Proactive behavior-based safety management for construction safety improvement. <i>Safety Science</i> , 2015, 75, 107-117.	2.6	269
7	Visualization technology-based construction safety management: A review. <i>Automation in Construction</i> , 2017, 73, 135-144.	4.8	247
8	Construction Partnering Process and Associated Critical Success Factors: Quantitative Investigation. <i>Journal of Management in Engineering - ASCE</i> , 2002, 18, 194-202.	2.6	238
9	Using systems dynamics to better understand change and rework in construction project management systems. <i>International Journal of Project Management</i> , 2002, 20, 425-436.	2.7	227
10	Wearable IMU-based real-time motion warning system for construction workers' musculoskeletal disorders prevention. <i>Automation in Construction</i> , 2017, 74, 2-11.	4.8	212
11	Advances and Trends on Tube Bending Forming Technologies. <i>Chinese Journal of Aeronautics</i> , 2012, 25, 1-12.	2.8	209
12	Analytic hierarchy process. <i>Measuring Business Excellence</i> , 2001, 5, 30-37.	1.4	200
13	Highly transparent, stretchable, and rapid self-healing polyvinyl alcohol/cellulose nanofibril hydrogel sensors for sensitive pressure sensing and human motion detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 295, 159-167.	4.0	199
14	Scenarios for applying RFID technology in construction project management. <i>Automation in Construction</i> , 2011, 20, 101-106.	4.8	184
15	Revealing stylized empirical interactions among construction sector, urbanization, energy consumption, economic growth and CO2 emissions in China. <i>Science of the Total Environment</i> , 2019, 657, 1085-1098.	3.9	184
16	Practices and effectiveness of building information modelling in construction projects in China. <i>Automation in Construction</i> , 2015, 49, 113-122.	4.8	182
17	Contractor selection using the analytic network process. <i>Construction Management and Economics</i> , 2004, 22, 1021-1032.	1.8	180
18	Using Improved Genetic Algorithms to Facilitate Time-Cost Optimization. <i>Journal of Construction Engineering and Management - ASCE</i> , 1997, 123, 233-237.	2.0	166

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19	A scientometric analysis and critical review of construction related ontology research. <i>Automation in Construction</i> , 2019, 101, 17-31.	4.8	163
20	Particle swarm optimization-based schemes for resource-constrained project scheduling. <i>Automation in Construction</i> , 2005, 14, 393-404.	4.8	161
21	Using game technologies to improve the safety of construction plant operations. <i>Accident Analysis and Prevention</i> , 2012, 48, 204-213.	3.0	155
22	Illustrative Benchmarking Rework and Rework Costs in Swedish Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , 2002, 18, 76-83.	2.6	154
23	Establishment of Critical Success Factors for Construction Partnering. <i>Journal of Management in Engineering - ASCE</i> , 2000, 16, 84-92.	2.6	152
24	Determining the causal structure of rework influences in construction. <i>Construction Management and Economics</i> , 1999, 17, 505-517.	1.8	151
25	Collaboration barriers in BIM-based construction networks: A conceptual model. <i>International Journal of Project Management</i> , 2019, 37, 839-854.	2.7	150
26	The analytic network process (ANP) approach to location selection: a shopping mall illustration. <i>Construction Innovation</i> , 2005, 5, 83-97.	1.5	147
27	Analytic Network Process Applied to Project Selection. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005, 131, 459-466.	2.0	142
28	Factor analysis-based studies on construction workplace safety management in China. <i>International Journal of Project Management</i> , 2004, 22, 43-49.	2.7	137
29	Impacts of Isomorphic Pressures on BIM Adoption in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014, 140, .	2.0	136
30	Critical success factors for implementing building information modelling (BIM): A longitudinal review. <i>Automation in Construction</i> , 2018, 91, 100-110.	4.8	136
31	Site-Level Facilities Layout Using Genetic Algorithms. <i>Journal of Computing in Civil Engineering</i> , 1998, 12, 227-231.	2.5	135
32	An application of bar-code system for reducing construction wastes. <i>Automation in Construction</i> , 2002, 11, 521-533.	4.8	131
33	Particle swarm optimization for resource-constrained project scheduling. <i>International Journal of Project Management</i> , 2006, 24, 83-92.	2.7	130
34	Biomechanical analysis of risk factors for work-related musculoskeletal disorders during repetitive lifting task in construction workers. <i>Automation in Construction</i> , 2017, 83, 41-47.	4.8	130
35	Concurrent engineering: a strategy for procuring construction projects. <i>International Journal of Project Management</i> , 1998, 16, 375-383.	2.7	128
36	Computer vision applications in construction safety assurance. <i>Automation in Construction</i> , 2020, 110, 103013.	4.8	127

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37	Assessing the energy dynamics of Pakistan: Prospects of biomass energy. Energy Reports, 2020, 6, 80-93.	2.5	127
38	Construction waste recycling robot for nails and screws: Computer vision technology and neural network approach. Automation in Construction, 2019, 97, 220-228.	4.8	126
39	Information priorityâ€setting for better resource allocation using analytic hierarchy process (AHP). Information Management and Computer Security, 2001, 9, 61-70.	1.2	123
40	A virtual prototyping system for simulating construction processes. Automation in Construction, 2007, 16, 576-585.	4.8	123
41	Total quality management and the learning organization: a dialogue for change in construction. Construction Management and Economics, 2000, 18, 321-331.	1.8	121
42	Analytic hierarchy process (AHP). Measuring Business Excellence, 2002, 6, 33-37.	1.4	117
43	Genetic search for solving construction site-level unequal-area facility layout problems. Automation in Construction, 2000, 9, 217-226.	4.8	116
44	Alternative Concession Model for Build Operate Transfer Contract Projects. Journal of Construction Engineering and Management - ASCE, 2002, 128, 326-330.	2.0	116
45	Recognizing Diverse Construction Activities in Site Images via Relevance Networks of Construction-Related Objects Detected by Convolutional Neural Networks. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	116
46	Real-time locating systems applications in construction. Automation in Construction, 2016, 63, 37-47.	4.8	114
47	Identifying and contextualising the motivations for BIM implementation in construction projects: An empirical study in China. International Journal of Project Management, 2017, 35, 658-669.	2.7	114
48	The learning organisation: toward a paradigm for mutually beneficial strategic construction alliances. International Journal of Project Management, 2000, 18, 415-421.	2.7	111
49	Visualizing safety assessment by integrating the use of game technology. Automation in Construction, 2012, 22, 498-505.	4.8	111
50	A deep learning-based method for detecting non-certified work on construction sites. Advanced Engineering Informatics, 2018, 35, 56-68.	4.0	109
51	An automatic and non-invasive physical fatigue assessment method for construction workers. Automation in Construction, 2019, 103, 1-12.	4.8	109
52	Consumersâ€™ intention-based influence factors of renewable energy adoption in Pakistan: a structural equation modeling approach. Environmental Science and Pollution Research, 2021, 28, 432-445.	2.7	107
53	Application of integrated GPS and GIS technology for reducing construction waste and improving construction efficiency. Automation in Construction, 2005, 14, 323-331.	4.8	105
54	Environmental Management of Urban Construction Projects in China. Journal of Construction Engineering and Management - ASCE, 2000, 126, 320-324.	2.0	104

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55	A multicriteria lifespan energy efficiency approach to intelligent building assessment. <i>Energy and Buildings</i> , 2006, 38, 393-409.	3.1	104
56	Computer vision aided inspection on falling prevention measures for steeplejacks in an aerial environment. <i>Automation in Construction</i> , 2018, 93, 148-164.	4.8	104
57	BIM compatibility and its differentiation with interoperability challenges as an innovation factor. <i>Automation in Construction</i> , 2020, 112, 103086.	4.8	103
58	An application of the Internet-based project management system. <i>Automation in Construction</i> , 2001, 10, 239-246.	4.8	101
59	An experimental study of real-time identification of construction workers' unsafe behaviors. <i>Automation in Construction</i> , 2017, 82, 193-206.	4.8	101
60	Resource-Activity Critical-Path Method for Construction Planning. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003, 129, 412-420.	2.0	99
61	Safety risk identification system for metro construction on the basis of construction drawings. <i>Automation in Construction</i> , 2012, 27, 120-137.	4.8	99
62	Rework: a symptom of a dysfunctional supply-chain. <i>Journal of Purchasing and Supply Management</i> , 1999, 5, 1-11.	1.1	98
63	Multimode Project Scheduling Based on Particle Swarm Optimization. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2006, 21, 93-103.	6.3	97
64	Multiuser Virtual Safety Training System for Tower Crane Dismantlement. <i>Journal of Computing in Civil Engineering</i> , 2012, 26, 638-647.	2.5	96
65	Wearable insole pressure system for automated detection and classification of awkward working postures in construction workers. <i>Automation in Construction</i> , 2018, 96, 433-441.	4.8	93
66	A GIS approach to shopping mall location selection. <i>Building and Environment</i> , 2007, 42, 884-892.	3.0	92
67	The influence of consumers' intention factors on willingness to pay for renewable energy: a structural equation modeling approach. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21747-21761.	2.7	92
68	Identification and classification of construction equipment operators' mental fatigue using wearable eye-tracking technology. <i>Automation in Construction</i> , 2020, 109, 103000.	4.8	91
69	Using Machine Learning and GA to Solve Time-Cost Trade-Off Problems. <i>Journal of Construction Engineering and Management - ASCE</i> , 1999, 125, 347-353.	2.0	90
70	Towards efficient and objective work sampling: Recognizing workers' activities in site surveillance videos with two-stream convolutional networks. <i>Automation in Construction</i> , 2018, 94, 360-370.	4.8	90
71	Ontology for safety risk identification in metro construction. <i>Computers in Industry</i> , 2019, 109, 14-30.	5.7	89
72	Enhancing the Performance of Fabric-Based Triboelectric Nanogenerators by Structural and Chemical Modification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16916-16927.	4.0	89

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73	Toward low-carbon construction processes: the visualisation of predicted emission via virtual prototyping technology. <i>Automation in Construction</i> , 2013, 33, 72-78.	4.8	88
74	System Dynamics Approach to Exploring Performance Enhancement in a Construction Organization. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003, 129, 528-536.	2.0	86
75	Partnering research in construction. <i>Engineering, Construction and Architectural Management</i> , 2000, 7, 76-92.	1.8	84
76	Application of ANP in process models: An example of strategic partnering. <i>Building and Environment</i> , 2007, 42, 278-287.	3.0	84
77	Integrating design and construction through virtual prototyping. <i>Automation in Construction</i> , 2008, 17, 915-922.	4.8	84
78	Understanding the relationship between safety investment and safety performance of construction projects through agent-based modeling. <i>Accident Analysis and Prevention</i> , 2016, 94, 8-17.	3.0	84
79	Ergonomic posture recognition using 3D view-invariant features from single ordinary camera. <i>Automation in Construction</i> , 2018, 94, 1-10.	4.8	84
80	Evaluating the system intelligence of the intelligent building systems. <i>Automation in Construction</i> , 2008, 17, 284-302.	4.8	83
81	Environmental Planning : Analytic Network Process Model for Environmentally Conscious Construction Planning. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005, 131, 92-101.	2.0	82
82	VP-based safety management in large-scale construction projects: A conceptual framework. <i>Automation in Construction</i> , 2013, 34, 16-24.	4.8	81
83	The prevalence of musculoskeletal symptoms in the construction industry: a systematic review and meta-analysis. <i>International Archives of Occupational and Environmental Health</i> , 2018, 91, 125-144.	1.1	80
84	Modeling risks in dependent systems: A Copula-Bayesian approach. <i>Reliability Engineering and System Safety</i> , 2019, 188, 416-431.	5.1	80
85	Evaluating the impact of mental fatigue on construction equipment operators' ability to detect hazards using wearable eye-tracking technology. <i>Automation in Construction</i> , 2019, 105, 102835.	4.8	79
86	Modelling the dynamics of design error induced rework in construction. <i>Construction Management and Economics</i> , 2000, 18, 567-574.	1.8	78
87	Proactive training system for safe and efficient precast installation. <i>Automation in Construction</i> , 2015, 49, 163-174.	4.8	78
88	Capturing and Understanding Workers' Activities in Far-Field Surveillance Videos with Deep Action Recognition and Bayesian Nonparametric Learning. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2019, 34, 333-351.	6.3	78
89	Sensor-based safety management. <i>Automation in Construction</i> , 2020, 113, 103128.	4.8	78
90	Co-operative benchmarking: a tool for partnering excellence in construction. <i>International Journal of Project Management</i> , 2001, 19, 171-179.	2.7	77

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91	Retrieving similar cases for alternative dispute resolution in construction accidents using text mining techniques. <i>Automation in Construction</i> , 2013, 34, 85-91.	4.8	76
92	Enhancing the Performance of a Stretchable and Transparent Triboelectric Nanogenerator by Optimizing the Hydrogel Ionic Electrode Property. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23474-23483.	4.0	76
93	Highly Stretchable, Self-Healable, Freezing-Tolerant, and Transparent Polyacrylic Acid/Nanochitin Composite Hydrogel for Self-Powered Multifunctional Sensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9209-9220.	3.2	76
94	Strengths, Weaknesses, Opportunities, and Threats Analysis of Chinese Construction Companies in the Global Market. <i>Journal of Management in Engineering - ASCE</i> , 2009, 25, 166-176.	2.6	74
95	Rethinking prefabricated construction management using the VP&E-based IKEA model in Hong Kong. <i>Construction Management and Economics</i> , 2011, 29, 233-245.	1.8	74
96	Ant colony optimization-based multi-mode scheduling under renewable and nonrenewable resource constraints. <i>Automation in Construction</i> , 2013, 35, 431-438.	4.8	74
97	Generic Model for Measuring Benefits of BIM as a Learning Tool in Construction Tasks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 195-203.	2.0	74
98	The availability of wearable-device-based physical data for the measurement of construction workers' psychological status on site: From the perspective of safety management. <i>Automation in Construction</i> , 2017, 82, 207-217.	4.8	74
99	Network communication in the construction industry. <i>Corporate Communications</i> , 2001, 6, 61-70.	1.1	73
100	Mapping computer vision research in construction: Developments, knowledge gaps and implications for research. <i>Automation in Construction</i> , 2019, 107, 102919.	4.8	73
101	Robotic technologies for on-site building construction: A systematic review. <i>Journal of Building Engineering</i> , 2020, 32, 101584.	1.6	73
102	Functional self-assembling peptide nanofiber hydrogel for peripheral nerve regeneration. <i>International Journal of Energy Production and Management</i> , 2017, 4, 21-30.	1.9	72
103	Development of ergonomic posture recognition technique based on 2D ordinary camera for construction hazard prevention through view-invariant features in 2D skeleton motion. <i>Advanced Engineering Informatics</i> , 2017, 34, 152-163.	4.0	72
104	Highly Durable Superhydrophobic Polymer Foams Fabricated by Extrusion and Supercritical CO ₂ Foaming for Selective Oil Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7479-7487.	4.0	72
105	Triangulation in construction management research*. <i>Engineering, Construction and Architectural Management</i> , 2002, 9, 294-303.	1.8	70
106	Life-Cycle Management of Construction Projects Based on Virtual Prototyping Technology. <i>Journal of Management in Engineering - ASCE</i> , 2010, 26, 41-47.	2.6	69
107	An e-business model to support supply chain activities in construction. <i>Logistics Information Management</i> , 2001, 14, 68-78.	0.8	68
108	Sustainable performance of just-in-time (JIT) management in time-dependent batch delivery scheduling of precast construction. <i>Journal of Cleaner Production</i> , 2018, 193, 684-701.	4.6	68

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109	Attitude of the Chinese public toward off-site construction: A text mining study. <i>Journal of Cleaner Production</i> , 2019, 238, 117926.	4.6	68
110	Fabrication of triple-layered vascular grafts composed of silk fibers, polyacrylamide hydrogel, and polyurethane nanofibers with biomimetic mechanical properties. <i>Materials Science and Engineering C</i> , 2019, 98, 241-249.	3.8	67
111	Combining rule-based expert systems and artificial neural networks for mark-up estimation. <i>Construction Management and Economics</i> , 1999, 17, 169-176.	1.8	66
112	Optimizing construction planning schedules by virtual prototyping enabled resource analysis. <i>Automation in Construction</i> , 2009, 18, 912-918.	4.8	66
113	A total environmental risk assessment model for international hub airports. <i>International Journal of Project Management</i> , 2011, 29, 856-866.	2.7	65
114	Identification of Biomechanical Risk Factors for the Development of Lower-Back Disorders during Manual Rebar Tying. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	2.0	65
115	Real-Time Alarming, Monitoring, and Locating for Non-Hard-Hat Use in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	64
116	Deep learning-based extraction of construction procedural constraints from construction regulations. <i>Advanced Engineering Informatics</i> , 2020, 43, 101003.	4.0	64
117	Are the intensity of energy use, land agglomeration, CO ₂ emissions, and economic progress dynamically interlinked across development levels?. <i>Energy and Environment</i> , 2021, 32, 690-721.	2.7	62
118	A new distributed time series evolution prediction model for dam deformation based on constituent elements. <i>Advanced Engineering Informatics</i> , 2019, 39, 41-52.	4.0	61
119	Comparative analysis of machine learning and point-based algorithms for detecting 3D changes in buildings over time using bi-temporal lidar data. <i>Automation in Construction</i> , 2019, 105, 102841.	4.8	61
120	Vision-based detection and visualization of dynamic workspaces. <i>Automation in Construction</i> , 2019, 104, 1-13.	4.8	61
121	Non-contact sensing based geometric quality assessment of buildings and civil structures: A review. <i>Automation in Construction</i> , 2019, 100, 163-179.	4.8	61
122	A novel deep learning prediction model for concrete dam displacements using interpretable mixed attention mechanism. <i>Advanced Engineering Informatics</i> , 2021, 50, 101407.	4.0	60
123	Overcoming the problems associated with quality certification. <i>Construction Management and Economics</i> , 2000, 18, 139-149.	1.8	58
124	An empirical analysis of the barriers to implementing e-commerce in small-medium sized construction contractors in the state of Victoria, Australia. <i>Construction Innovation</i> , 2001, 1, 31-41.	1.5	58
125	Practical Framework for Measuring Performance of International Construction Firms. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013, 139, 1154-1167.	2.0	58
126	Development of a conceptual model for the selection of intelligent building systems. <i>Building and Environment</i> , 2006, 41, 1106-1123.	3.0	57

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127	Pre-service fatigue screening for construction workers through wearable EEG-based signal spectral analysis. <i>Automation in Construction</i> , 2019, 106, 102851.	4.8	57
128	On-Site Construction Quality Inspection Using Blockchain and Smart Contracts. <i>Journal of Management in Engineering - ASCE</i> , 2021, 37, .	2.6	57
129	Fall risk assessment of construction workers based on biomechanical gait stability parameters using wearable insole pressure system. <i>Advanced Engineering Informatics</i> , 2018, 38, 683-694.	4.0	56
130	Data mining approach to construction productivity prediction for cutter suction dredgers. <i>Automation in Construction</i> , 2019, 105, 102833.	4.8	56
131	Household-based critical influence factors of biogas generation technology utilization: A case of Punjab province of Pakistan. <i>Renewable Energy</i> , 2020, 154, 650-660.	4.3	56
132	ANN-Based Mark-Up Estimation System with Self-Explanatory Capacities. <i>Journal of Construction Engineering and Management - ASCE</i> , 1999, 125, 185-189.	2.0	55
133	Building information modeling in combination with real time location systems and sensors for safety performance enhancement. <i>Safety Science</i> , 2018, 102, 226-237.	2.6	55
134	Strategic alliances: a model for establishing long-term commitment to inter-organizational relations in construction. <i>Building and Environment</i> , 2004, 39, 459-468.	3.0	54
135	Cost-effectiveness assessment of insulated exterior walls of residential buildings in cold climate. <i>International Journal of Project Management</i> , 2007, 25, 143-149.	2.7	54
136	Associations between physical or psychosocial risk factors and work-related musculoskeletal disorders in construction workers based on literature in the last 20 years: A systematic review. <i>International Journal of Industrial Ergonomics</i> , 2021, 83, 103113.	1.5	54
137	Detecting and measuring construction workers' vigilance through hybrid kinematic-EEG signals. <i>Automation in Construction</i> , 2019, 100, 11-23.	4.8	53
138	Ontology-Based Semantic Modeling of Knowledge in Construction: Classification and Identification of Hazards Implied in Images. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	2.0	53
139	Multi-objective particle swarm optimization for construction time-cost tradeoff problems. <i>Construction Management and Economics</i> , 2010, 28, 75-88.	1.8	52
140	Investigation of the causality patterns of non-helmet use behavior of construction workers. <i>Automation in Construction</i> , 2017, 80, 95-103.	4.8	51
141	Joint-Level Vision-Based Ergonomic Assessment Tool for Construction Workers. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	51
142	Evaluation of Physiological Metrics as Real-Time Measurement of Physical Fatigue in Construction Workers: State-of-the-Art Review. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	2.0	51
143	Computer vision-based recognition of 3D relationship between construction entities for monitoring struck-by accidents. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020, 35, 1023-1038.	6.3	51
144	Automated detection and classification of construction workers' loss of balance events using wearable insole pressure sensors. <i>Automation in Construction</i> , 2018, 96, 189-199.	4.8	50

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145	Textile Electronics for VR/AR Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2007254.	7.8	50
146	A model for supporting inter-organizational relations in the supply chain. <i>Engineering, Construction and Architectural Management</i> , 2002, 9, 2-15.	1.8	49
147	Exploring quantitative methods for project location selection. <i>Building and Environment</i> , 2004, 39, 1467-1476.	3.0	49
148	Relationship Network Structure and Organizational Competitiveness: Evidence from BIM Implementation Practices in the Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	49
149	Developing a green building evaluation standard for interior decoration: A case study of China. <i>Building and Environment</i> , 2019, 152, 50-58.	3.0	49
150	Competitive assessment of South Asia's wind power industry: SWOT analysis and value chain combined model. <i>Energy Strategy Reviews</i> , 2020, 32, 100540.	3.3	49
151	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24945-24956.	4.0	49
152	Evaluating the system intelligence of the intelligent building systems. <i>Automation in Construction</i> , 2008, 17, 303-321.	4.8	48
153	IT supported collaborative work in A/E/C projects: A ten-year review. <i>Automation in Construction</i> , 2012, 21, 1-9.	4.8	48
154	Leptin changes differentiation fate and induces senescence in chondrogenic progenitor cells. <i>Cell Death and Disease</i> , 2016, 7, e2188-e2188.	2.7	48
155	Image-and-Skeleton-Based Parameterized Approach to Real-Time Identification of Construction Workers's Unsafe Behaviors. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	48
156	Modeling the Implementation Process for New Construction Technologies: Thematic Analysis Based on Australian and U.S. Practices. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, 05018005.	2.6	48
157	Development of a tool to monitor static balance of construction workers for proactive fall safety management. <i>Automation in Construction</i> , 2018, 94, 438-448.	4.8	48
158	Enabling information sharing between E-commerce systems for construction material procurement. <i>Automation in Construction</i> , 2004, 13, 261-276.	4.8	47
159	Modeling heterogeneous dynamic interactions among energy investment, SO ₂ emissions and economic performance in regional China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2730-2744.	2.7	47
160	Automated PPE-Tool pair check system for construction safety using smart IoT. <i>Journal of Building Engineering</i> , 2020, 32, 101721.	1.6	47
161	Reinforcement learning based optimizer for improvement of predicting tunneling-induced ground responses. <i>Advanced Engineering Informatics</i> , 2020, 45, 101097.	4.0	47
162	Skew detection and correction in document images based on straight-line fitting. <i>Pattern Recognition Letters</i> , 2003, 24, 1871-1879.	2.6	46

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163	Physical exertion modeling for construction tasks using combined cardiorespiratory and thermoregulatory measures. <i>Automation in Construction</i> , 2020, 112, 103079.	4.8	46
164	Dynamics of Project-Based Collaborative Networks for BIM Implementation: Analysis Based on Stochastic Actor-Oriented Models. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, .	2.6	45
165	Assessment of India's energy dynamics: Prospects of solar energy. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	0.8	45
166	Experimental study on ultra-high performance concrete under triaxial compression. <i>Construction and Building Materials</i> , 2020, 263, 120225.	3.2	45
167	Internet-Based Geographical Information Systems System for E-Commerce Application in Construction Material Procurement. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003, 129, 689-697.	2.0	44
168	Factors constraining the development of professional project management in China's construction industry. <i>International Journal of Project Management</i> , 2004, 22, 203-211.	2.7	44
169	Simulation-based optimization for dynamic resource allocation. <i>Automation in Construction</i> , 2004, 13, 409-420.	4.8	44
170	Chirp-spread-spectrum-based real time location system for construction safety management: A case study. <i>Automation in Construction</i> , 2015, 55, 58-65.	4.8	44
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